

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: carl yaffey <cyaffey@sprynet.com>
Subject: "new" D104 help
Message-ID: <2.2.32.19970220032244.00cb46d4@m1.sprynet.com>

I recently purchased a D-104 and G stand sight unseen and discovered it to be one of the newer ones that has a preamp in the base of the stand. Also, there is a push-to-talk lever in the base as well as the usual "grip-to-talk" bar along the vertical part. The base and part of the mike are black. I'm wondering how to use it like I would use one of the old ones. Would removing the preamp cause it to perform the same as an old one, or does the cartridge put out a smaller voltage and thus needs the preamp? Would turning the preamp control all the way off be the same as removing the preamp?
73, Carl

Carl Yaffey; cyaffey@sprynet.com; 614 268 6353;, Columbus OH, K8NU (ex-W4EZB)
Yaffey Software Development, Inc.; Banjo player for One Riot One Ranger.

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  /~~\\      , , ,  
 |#===||=====#***|  
  \__//      , ,
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From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: "Grant Youngman" <nq5t@gte.net>
Subject: Re: "new" D104 help
Message-ID: <199702201234.GAA05307@smtp.gte.net>

> I recently purchased a D-104 and G stand sight unseen and discovered it to
> be one of the newer ones that has a preamp in the base of the stand.

My own experience with the D-104 is that they sound very good if you just leave the preamp in place and use it. The preamp provides a known, fixed load for the cartridge, so as you move the mic from rig to rig you eliminate the variability in response caused by the input stages' grid resistor. Its important to adjust the output level of the preamp so that you don't overload the first audio stage of the transmitter though -- obviously.

If you don't want to use the preamp its easy enough to bypass it or just pull the board out altogether and wire the internal mic/PTT leads directly to the output. It must be physically bypassed -- won't work just to turn down the gain or leave the battery out. If the preamp is one of the things that are sold with an "ETS" feature -- that's the end-of-transmission "roger over (under)" beep -- then bypass it. Some versions of this creature have a nasty THUMP in the

audio when you hit the PTT bar. You can spot it because it has a series of three slide switches on the under side of the mic.

Depending on the age of the mic, you might consider replacing the cartridge in the head. These are available from Amateur Electronic Supply for around \$20.00. Age and (especially) heat -- like rear window decks of cars on their way to hamfests -- cause deterioration.

I like the D-104. Its one of the few products first introduced in the early thirties that you can still buy -- almost unchanged -- 60 years later :-)

Grant Youngman / NQ5T

nq5t@gte.net
<http://home1.gte.net/nq5t/index.htm>
Double Oak, TX -- nr Dallas

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: Laird_Tom_N@hpmail1.90.deere.com
Subject: 1932 QST's
Message-ID: <H00005a004af3167@MHS>

I have the whole year (1932) QST's in Good shape for "best offer" plus shipping.

Tom Laird WC9M Moline, IL
TL39597@deere.com

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: 4 Mhz xtals wanted
Message-ID: <199702201305_MC2-1184-6DCD@compuserve.com>

Hi, can you have a look in your xtal box for

FT243: 4037 & 4085 KHz or any thing close

Any other holder, ie 10XJ, would be ok as well.

Many thanks. Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: John <jackiv@postoffice.worldnet.att.net>
Subject: 5642 Posting
Message-ID: <19970220132312.AAA22967@LOCALNAME>

Hi gang. the tubes are gone the rigs have been pulled off the market.
Maybe in next attic cleaning I may find something.. doubtful tho.

Jack K0EWU

Remember, when you get over the hill you pick up speed.

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: "Walter Fairclough" <wfairclo@netcom.ca>
Subject: 6GW8/ECL86 Tube Wanted
Message-ID: <199702201527.KAA28106@tor-srs2.netcom.ca>

Looking for a 6GW8 or ECL86 tube. I believe they are one and the same.
Perhaps someone can tell me where I can get one or two. Also, would like to
know the substitution, if there is one?

Thanks for reading.

Walter Fairclough
Manotick, Ontario
wfairclo@netcom.ca

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: oranges@FRB.GOV
Subject: Re: ?? American tubes produced in 1943 ??
Message-ID: <30c6f2e0@cclink.frb.gov>

Hello Ba'ers
One note if the KLM is KLM airlines
I think(have to look it up) that KLM
operated Douglas DC-2's and maybe DC-3's
in the late 1930s, and might be equipped
with American radio sets.

Also on Pot Metal,
I also collect model trains and what happens

is also called Zinkpest(zinc pest) and is caused by impurities in the metal mix, or pollution over time.
It was not designed like that.

Looking to buy AWA review 4 and 5.

Fred Bohner Arlington,VA.

Email address is oranges@frb.gov
MESSAGE FOR PERSONAL USE NOT OFFICIAL USE

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: Jeffrey Herman <jeffreyh@hawaii.edu>
Subject: A little something for Bobbi
Message-ID: <97Feb20.154845hwt.188223(4)@uhunix3.its.Hawaii.Edu>

I think we should all chip in and buy this for Bobbi, our resident broadcast engineer! Or maybe one of you would like to start your own HF shortwave station:

>From: bashin@web2.calweb.com
> FOR SALE: Powerful 2.5 KW Classic Transmitter
>
> I'm selling my Wilcox 96D, a 1950's-vintage professional
>exciter/transmitter/amplifier. It uses a pair of Eimac 450TL
>final tubes to produce well in excess of 2,500 watts OUTPUT
>anywhere between 2.0 and 26 MHz with its built-in CW/AM exciter.
>It may transmit over a wider frequency range if you use an
>external exciter.
>
> The Wilcox Electric Company of Kansas City built these
>beauties to the highest specifications, using machining and
>heavy-cutty components unseen today. The transmitter has its own
>built-in antenna tuner, panel meters, and blower. This beast is
>about a foot wide, 27 inches deep, and six feet tall. The 96D
>was a workhorse of military and civilian broadcasting for
>decades. Some were used in banks of six for airport or shortwave
>broadcasting. This particular transmitter was used by the
>California Highway Patrol to broadcast police bulletins
>throughout the West.
>
> For those who aren't familiar with it's construction, the
>entire transmitter can be exposed and serviced by sliding it out
>from the cabinet, much as a filing cabinet operates.
>
> In addition to the transmitter, I'm including four NEW Eimac

>450TL tubes. These are beauties, a foot tall clear glass
>triodes. Two of them are still in the original packing boxes.
>New Eimac 450TL tubes can sell for \$700 each.
>
> I also have the original hardbound operating manual, with
>maintenance instructions and all schematics.
>
> You get to supply a modulator and power supply.
>
> Asking \$550 or possibly trade for some combination of 440 MHz
>controller/duplexer/repeater.
>
> It's probably best if the unit is picked up directly from its
>current location in Sacramento, California.
>
> For further information, please feel free to telephone me at
>(916) 441-4096 after 8 am Pacific time, And you can always e-
>mail me at bashin@calweb.com as well.

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: Anyone used a Q-Multiplier with BC-348 ?
Message-ID: <Pine.ULT.3.95.970219195310.26358C-1000000@admin.aurora.edu>

On Wed, 19 Feb 1997 Ho4bart@aol.com wrote:

> The '348 is a great Rx..IF it had a front end and IF it had an IF!..
> Actually friends, the RAF R1155 is beats the socks
> off it from 3-16 Mc/s...BUT thats another story!!.. >>
>
> this is actually my forward to anchors of an email to me. i wonder if
> anyone would care to comment on it. hue miller

Hogwash! (well, partly anyway). I can't speak for the R1155 since I
have no idea what that is, but my BC-348Q hears a .1uv signal very
well at 18MC.

My 348 has 2 mods in it - the RF amp has been rewired from a triode
circuit to a pentode. There was some discussion on this last year
as to wether this mod improved, or degraded the front end performance.
Unfortunately, I did not run any tests before the mod was made. Some
day, I'll reverse the mod and see how it compares.

The other mod was to add a product detector. Just how this affects the
sig/noise ratio, I don't know.

As to the sharpness of the xtal filter, My IF bandwidth measures 200 Hz at -6dB. It has been suggested before that in some receivers it may be worth-while to remove the crystal and clean it and the holder if does not appear to be working normally. As to the crystal seeming to work well for phone operation, if the signal is strong enough you can brute-force a phone signal thru the filter.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: Ho4bart@aol.com
Subject: Re: Anyone used a Q-Multiplier with BC-348 ?
Message-ID: <970220102542_1449205921@emout06.mail.aol.com>

In a message dated 97-02-19 21:05:13 EST, broehrig@admin.aurora.edu (Bob Roehrig) writes:

<< I can't speak for the R1155 since I
have no idea what that is, but my BC-348Q hears a .1uv signal very
well at 18MC. >>

R1155 is the British equivalent of the BC-348 for large aircraft or patrol sea vessels. i'm not convinced either. i have not tried the R1155, but i would say it does not look as nice, also i note that in UK magazines the BC-348 seemed to command higher prices than the other. hue miller

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: Glen Galati <eldim@worldnet.att.net>
Subject: B-17 Bomb release system
Message-ID: <19970220043611.AAA29877@GLENGALA>

Hello everyone, Looking for one connector: GK-M5-32P and one or two relays: type RS-2 PN: B134045.
This is a Cannon female connector consisting of five pin sockets, two large and three small diameter. Conn.diameter is 1 1/8 inches. The relay is mfr. by P.R.Mallory and is an assembly approx. 6 inch. long x 3-1/2 inch.wide x 2-1/2 inch high. with a conn.on the end and four relays inside and a nut on the top holding the cover on. This is for the Seattle Museum of Flight B-17F restoration.
Thanks, Glen KA7BOJ eldim@worldnet.att.net

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: "Richard L. Duell" <rduell@iac.net>
Subject: BA Hints and Kinks
Message-ID: <2.2.32.19970221033345.00687da4@iac.net>

Here are a couple of hints I've been meaning to post for a while now.

If you have ever been frustrated by trying to match the "sorta flat" black paint that a lot of equipment cabinets have, I think I've found the perfect match. It's Krylon Inside/Outside spray in semi-flat black. Satin is too shiny and flat is too dull. Semi-flat looks great on my Clipperton L and is a perfect match to the factory paint.

This is also great to restore black crinkle that has that ground in dust that you just can't get out of the wrinkles. I just put a light coat on some rack panel spacers that I have installed in a slope front double rack that houses my HT-32 and SX-101A. Looks just like the panels are brand new and they even match the color of the crackle on the face of the Hallicrafters.

You can't find semi-flat everywhere and sometimes its mixed in with the flat, but it's worth the search.

Another tip (purist restorers cover your eyes): I always get frustrated trying to desolder old caps and resistors to check and/or replace them. Seems there are always seven or eight wires on the same solder point and they are all tangled up like a drunken octopus. It takes forever (and I'm impatient) to get a clean desolder job and I frequently break a wire or have to cut some to avoid damaging the solder lug. Here's my trick: I take some very fine brass tubing (available at hobby shops that sell models) and cut it into 1/4" pieces to be used as splices. The two smallest diameters my hobby ship stocks are perfect for most lead sizes.

I just cut one lead of the part I'm testing and make my test. If the part is good, I slip both cut ends of the lead into opposite sides of the piece of tubing and solder. If it's bad, I cut the other lead and splice in a new part. It's quick and looks a lot neater than mangled wires.

I don't claim this as an original idea. I think someone used to make splices for the service trade but I haven't seen them advertised anywhere. In any event, the brass tubing is cheap and works great. If you need extra holding power, crimp the tubing before soldering.

Hope this tip helps some of the newcomers to Boatanchors that didn't grow up on discrete component construction.

73, Rich - W5VDU

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997

From: Karan Lee Carruth <klccarru@tenet.edu>

Subject: Black Wrinkle Paint

Message-ID: <Pine.OSF.3.91.970220220804.18681B-100000@francis.tenet.edu>

Just refinished a TCS Antenna Tuner cabinet with Krylon black wrinkle paint and have some tips for its use. I got the paint from an auto supply store but it does not seem to be difficult to find. Smells just like the stuff I got several years ago that was made by Illinois Bronze. I guess it's all the same.

I found that four relatively heavy coats gave about the right amount of wrinkle. I sprayed one coat on in one direction and the second at right angles. Spray the CENTER of each succeeding pass so that it will be right on top of the EDGE of the previous pass. This gives a 50% overlap for each pass - very important for uniformity. I waited about five minutes and then repeated the process. The important thing is to paint only one horizontal surface at a time. the paint will run or accumulate at one edge if the surface is not horizontal. That will really mess up the finish as it will wrinkle in an uneven pattern if some of the coat is thicker than the rest.

After coating the surface as above, I used a heat gun to cure the paint. It will wrinkle a lot sooner with heat drying. It seems almost essential in the winter. A hot summer day is not too bad - it will wrinkle fairly fast by itself. It is important not to stop the heating process too soon as the wrinkling continues for a while after the initial onset. Wrinkling took about three minutes to start and probably ten minutes to complete.

After painting one surface and heat curing it, I waited about half an hour and then did the next surface. It took a while to do the five sides of the case but it turned out great!

Be certain that the surfaces are very clean and oil free before starting. Otherwise strange figures will appear in the finish. I stripped all of the old finish off and washed the surfaces to be painted with lacquer thinner. I would have liked to have primed the surfaces but could not find any information about compatible primers. If anyone knows, please let me know.

This process is actually quite easy. The important thing is to have the paint thickness uniform - thus the recommendation that only one horizontal surface be done at a time. If you get runs, the final finish will look really bad. It does not take much to ruin it.

Best regards,

Lenox

Lenox Carruth, WA50VG
Dallas, Texas
klccarru@tenet.edu

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: "Ray L. Mote" <rmote@rain.org>
Subject: Brit wants 3-6 command set rx
Message-ID: <Pine.SUN.3.95.970220021903.7445A-1000000@coyote.rain.org>

Sounds like Rex, G0MWH, is a bit nostalgic. He used one for ARRL code practice sessions in '65 to get VE3DPD. He hasn't seen one in years and is wondering where they all went. Contact him as follows:

Rex J. Atkins, G0MWH
rex@gomwh.demon.co.uk
BBS G0MWH @ GB7UWS

The 3-6 mc BC-454, ARA equivalent, and AN/ARC-5 equivalents should be plentiful. Who wants to help this guy out?

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: Laird_Tom_N@hpmail1.90.deere.com
Subject: Browning Mark III
Message-ID: <H00005a004add82c@MHS>

Would the gentleman who was looking for a Browning MARK III a while back

contact me, I have located one for you. I believe he was from the East Coast area?

Tom Laird WC9M Moline, IL
TL39597@deere.com

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: n5off@w5ddl.aara.org
Subject: Collins and Ballast Tubes
Message-ID: <583010@w5ddl.aara.org>

I would not call the 51J3 or 51J4 unstable receivers, and they have no ballast tubes.

The ballast tube in the R-390 was employed to guard against voltage fluctuations at the line of 18 volts above or below the standard input voltage. Also, the radio itself is designed for wide swings in ambient temperature, -40F to 149F to be exact, with a frequency stability of 400 cycles or better.

So, in conclusion (I hope), if your shack has swings in conditions as stated above, get yourself some ballast tubes and quickly. In my shack, the swings are a little more tame, and I think I'll just run the 12V tubes whilst listening to the SWBC with the 8kcs filter.

Living on the Edge
Tom

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: pmills@A.crl.com (Phil Mills)
Subject: Re: Collins and Ballast Tubes
Message-ID: <199702200241.AA22327@A.crl.com>

>I would not call the 51J3 or 51J4 unstable receivers, and they have no
>ballast tubes.

>

>The ballast tube in the R-390 was employed to guard against voltage
>fluctuations at the line of 18 volts above or below the standard
>input voltage. Also, the radio itself is designed for wide
>swings in ambient temperature, -40F to 149F to be exact, with
>a frequency stability of 400 cycles or better.

Tom & list,

This is certainly a valid point....extreme conditions under military

service. Okay, why does the Collins KWS-1 have a ballast tube?
Was this transmitter ever considered for military use? While its
1 Mc frequency spread per band allows it to operate outside amateur
frequencies, does this extra coverage contain frequencies of
military interest? Inquiring minds want to know!

73, Phil

Phil Mills, AB5TH ***** WTB S-meter for 75A4 *****
pmills@a.crl.com
281-992-5762 days
Friendswood, TX (south of Houston)

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997
From: roecker.greg@ist.mds.lmco.com
Subject: Re: Collins and Ballast Tubes
Message-ID: <Chameleon.856441234.greg@roeckerpc.ist.mds.lmco.com>

>Tom & list,
>

>Was this transmitter ever considered for military use? While
>its

>73, Phil

-----End of Original Message-----

Phil,

I recall in an early Electric Radio article that talked about
Art Collins and Gen Lemay . . . they did the early experiments
with SSB and air to ground communications for the Air Force. I
remember seeing a picture of a radio operator aboard an Air
Force aircraft with a KWS-1 and a 75A4 or 51J4 . . . I'll
look tonight, and see if I have the article and picture . . .

73,

Greg / N4OSJ

Greg Roecker
E-mail: roecker.greg@ist.mds.lmco.com
Voice: 770.698.5226
Fax: 770.698.5220
From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: GDePrez@aol.com
Subject: Denver Hamfest Report
Message-ID: <970220140508_-1173053212@emout12.mail.aol.com>

For you hamfest-report-readers - here's what I recall from the recent Aurora Repeater Assn's gathering in Denver on Feb 20. (This is probably the one Bob Ragain was at & bought the big RCA xcvr...Bob: was that the big rack mounted job?) My focus is old comm receivers, so those boxes catch my eye...
R-390A with case and shock mounts, well-used, asking \$300, was gone in 1 hr
Hallicrafters HT-9 "radiotelephone & radiotelegraph transmitter" -rough, missing tubes, no price
National NC-140, clean, nice blue cabinet, asking \$150
National NC-77X ...don't remember price
HQ-100 very rough...
HQ 170...pretty good shape...asking \$200 and "talk to me"
SX-28 Super Skyrider, rack mount, complete front panel with an ugly ser.# stenciled in, asking \$99
SX-28 Super Skyrider in case, rough panel, missing knobs..didn't ask price (yep-together these might merge into a good unit...)
Eico 720 crystal cont. transmitter, very clean, was probably mated with the rcvr below...high \$30 bid took it. (methinks I shoulda bought it and offered it to list members...)
And...a beast I'd not seen before: HRO-50T. Guy was selling it for a widow - "been in her basement 20 years..." I've seen photos, read the posts, always thought "plug in coils? what a chore..." and there in the box were some coils...gee, I could stuff 2 Walkmans inside one of these..but..what better artifact of early radio than manually switching coils? Started turning that smooth bullseye tuning knob...clicked the switches and heard the whole case resonate...noted the clean, in-your-face design of the tuning capacitor (not buried like in my SP-600)...did the mental calculation (con: too much stuff under the workbench already...pro: this machine is a landmark...LOTS of knobs (I do lean to the higher knobs-per-dollar ratio)... the high bid is \$80... It's gotta new home. Needs a filter cap replacment (enroute) and will need recapping, but I already coaxed some stations out of it with 6' of antenna.
As for the coils, see next post...
Good hamfest... for me.

Greg DePrez GDePrez@aol.com

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: Difference btw Heath 100,101 & 102

Message-ID: <20FEB97.11870295.0098.MUSIC@MARISTB.MARIST.EDU>

What are the differences between the HW100, SB 101 and SB 102?
Fr Bowes

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Difference btw Heath 100,101 & 102
Message-ID: <199702201749.LAA12133@lesol1.dseg.ti.com>

At 10:02 AM 2/20/97 -0600, Fr Bowes wrote:
>What are the differences between the HW100, SB 101 and SB 102?
>Fr Bowes

Ah yes, a recurring question...

Perhaps we can collect the responses this time and put it in the archives.
I'll even volunteer...

Here are the differences I'm aware of among the five similar transceiver models:

SB-100: tube VFO
SB-101: tube VFO, included external VFO option, included CW filter option
SB-102: solid-state VFO, kept external VFO and CW filter options, greatly improved receiver sensitivity with new RF amp, added VHF converter option

HW-100: essentially same internal design as the SB-101; repackaged, economical SB-101 with simpler, less accurate, solid-state VFO; does not have external VFO option but does have CW filter option; fewer metering functions than SB-101

HW-101: essentially same internal design as the SB-102; repackaged, economical SB-102 with simpler, less accurate, solid-state VFO; does not have external VFO option but does have CW filter option; fewer metering functions than SB-102

I am most familiar with the SB-102 and HW-101 as I have one of each. I'm somewhat less knowledgeable about the others and hope others will add/correct info there.

Hope this helps.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com

Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997

From: "Walter Fairclough" <wfairclo@netcom.ca>

Subject: Diodes

Message-ID: <199702201906.0AA08300@tor-srs1.netcom.ca>

I know they don't glow in the dark but they are in my light weight boat anchor SX-117 receiver. Does anyone have a pair of 1N1764 diodes, or can someone supply the specs, or the modern day equivalents, or tell me where I can obtain them.

Thanks for reading.

Walter Fairclough

Manotick, Ontario

wfairclo@netcom.ca

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997

From: "Richard L. Duell" <rduell@iac.net>

Subject: Drake "Museum"

Message-ID: <2.2.32.19970221030723.009a3aa8@iac.net>

At 07:42 PM 2/20/97 -0600, Andy wrote:

Hey, you Ohio boatanchorites --

>has anyone made a journey to Miamisburg and seen the place?

The last time I was at Drake to pick up a manual for a TR-7 a couple of years ago, the museum consisted of glass display cabinets with, I presume, one of everything they had made in the amateur line. It was in the "will call" area and it was neat to browse while you waited for your order to be brought to the window.

I don't know if they have dressed it up since I was there. Perhaps someone else on the list has made a more recent visit.

73, Rich - W5VDU

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997

From: carl yaffey <cyaffey@sprynet.com>

Subject: Drake 2NT info wanted

Message-ID: <2.2.32.19970220031614.00c7e414@m1.sprynet.com>

Now that I have a beautiful Drake 2C, I'm curious as to how the 2NT transmitter worked with it. Was there a way to transceive, or was the 2NT strictly xtal controlled? Also, would it work break-in? I may also be in the market for a 2NT - anybody have one for sale?

73, Carl

Carl Yaffey; cyaffey@sprynet.com; 614 268 6353;; Columbus OH, K8NU (ex-W4EZB)
Yaffey Software Development, Inc.; Banjo player for One Riot One Ranger.

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From boatanchors@theporch.com Thu Feb 20 07:18:45 1997

From: wallace@world.std.com (Andy Wallace)

Subject: Drake 2NT info wanted

Message-ID: <330d32c9.392768@world.std.com>

On Wed, 19 Feb 1997 21:18:36 -0600 (CST), carl yaffey
<cyaffey@sprynet.com> wrote:

>Now that I have a beautiful Drake 2C, I'm curious as to how the 2NT
>transmitter worked with it. Was there a way to transceive, or was the 2NT
>strictly xtal controlled? Also, would it work break-in?

Hi, Carl --

Yes, the 2-NT and 2-C transceived quite well, but unfortunately the proposed matching VFO for the 2-NT never materialized. Lots of people use Heath HG-10 VFOs with it, interfacing to the crystal socket. (One side of the socket goes to GND, watch that when you connect it.)

The pair had built-in sidetone and antenna changeover relay -- a very nice touch for a simple Novice transmitter. You can also adjust the changeover delay and sidetone volume from the 2-NT. It's too bad the 2-C had fewer features than the 2-B, though. Still, it was a lot of fun to use the 2-C/2-CQ/2-NT and that's what got me back on the air a couple of years ago.

--Andy

wallace@world.std.com

Curly: Oh....short wave?

Moe: No! Poimanent.
<BONK!>
(THEY STOOGE TO CONGA, 1943)

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: Bob/WB0AUQ <brainbol@idir.net>
Subject: Re: Drake 2NT info wanted
Message-ID: <330CEC2F.1205@idir.net>

RE: 2NT VFO.....

Hi Andy,
Finally! someone else has apparently seen the Drake advertisement for a forthcoming VFO for the 2NT. I have been searching for years trying to find the ad again but no luck. Anytime I brought it up was told that they never built one, never even contemplated it. Obviously Drake at least thought about it. I use the Halli HA-5 with mine. Works FB.
73, Bob/WB0AUQ/brainbol@idir.net

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: wallace@world.std.com (Andy Wallace)
Subject: Drake 2NT info wanted
Message-ID: <330cfc87.420890@world.std.com>

>Hi Andy,
>Finally! someone else has apparently seen the Drake
>advertisement for a forthcoming VFO for the 2NT. I have
>been searching for years trying to find the ad again but
>no luck.

Actually, Bob, I never saw the ad, either -- I am going from hearsay which is a dangerous thing. I see that the picture of the 2-B receiver in this year's CQ Radio Classics calendar was taken at the "Drake Museum" at the company HQ, I assume. Hey, you Ohio boatanchorites -- has anyone made a journey to Miamisburg and seen the place? My kingdom for the right info on the 2-VF or whatever it should have been called!

73,
--Andy
wallace@world.std.com
<http://world.std.com/~wallace/>
(vacuum tube ham stuff)

Comments appreciated!
[click RELOAD if you haven't visited
in a while...I may have added new stuff!]

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: Mike Sanders <k0az@i1.net>
Subject: Re: Drake 2NT info wanted
Message-ID: <3.0.16.19970220201355.2e17b258@i1.net>

Yep, I cannot tell you what issue of what it is in but Drake did in fact
advert for an upcoming matching vfo for the 2NT. I waited a long time....
A real pity it did not come to be. 73, Mike K0AZ

At 06:33 PM 2/20/97 -0600, Bob/WB0AUQ wrote:
>RE: 2NT VFO.....
>
>Hi Andy,
>Finally! someone else has apparently seen the Drake
>advertisement for a forthcoming VFO for the 2NT. I have
>been searching for years trying to find the ad again but
>no luck.

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: Mike Sanders <k0az@i1.net>
Subject: Drake VFO.....again
Message-ID: <3.0.16.19970220224105.2effb808@i1.net>

Greetings Again All,
Previous posts by me and others mentioned the "planned" matching
vfo for the Drake 2NT tx. I have found one of the originators of this
story. Page 44 of the December 1966 QST has the product review of both
the 2C receiver and the 2NT tx. (starts on page 40) On this page it is
stated " There are two crystal sockets on the panel, one for each of
the two popular types of crystal holders. They are wired in parallel.
The crystal can be replaced by a v.f.o. (a matching unit will be available)
with it's output fed to one of the two crystal sockets."
On page 127 of this same issue a full page ad states on the bottom that
"Accessories available: Antenna Matching Network, VFO, and Crystals"
This pretty well covers it that Drake did intend to produce a matching
vfo for this rig but never did. I know as I watched intently for them
to do so. 73, Mike K0AZ

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: Billy Wiggins <bwiggg@worldnet.att.net>
Subject: FS: Milspec 28v relays

Message-ID: <19970220164532.AAA13602@BWIGG>

I have for sale some Gould/Allied Signal Milspec DPDT 28v sealed relays. Brand new in govt sealed packs. Sorry no other specs available. Enclosed in sealed metal can with two mounting holes and has 8 wire leads, approximate size is 1"x.5"x.5". I have found many uses for these hardy relays. I found these while searching for a relay to switch the sideband filters in my PRC-47. I liked them so much, I bought them all to share with others.

Due to the low cost, I'm selling them in lots of 10. That's 10 relays for \$13 which includes shipping via mail.

Due to problems in the past, I prefer payment by postal money order. NO COD's. Personal checks are OK, But please add 10 per cent as I use a check cashing service.

73's

WA4GKI
Billy

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: azoth@netcom.com (Az0th)
Subject: FS:Old Handbooks
Message-ID: <199702210205.VAA07483@netcom6.netcom.com>

Hiyall,

I recently came across a couple of old ARRL Handbooks for sale by a fellow off the list. His descriptions follow. If interested, please contact Ron at osan4444@concentric.net. He's asking \$15 apiece, plus shipping.

27th Edition - 1950 is in very nice shape, covers still bright red, it is intact with all pages complete as near as I can tell. There is a bit of minor edge and corner wear evident on the covers, and when the book is closed, the edges of the pages show a bit of light dust or dirt. All in all, it is in excellent condition, but it is not mint.

23rd Edition - 1946 has several problems. It appears to be completely intact, with the pages beginning to yellow a bit. The covers and spine are still on the book, but there is a tear on the back cover that has been partially taped from the inside, and some deterioration of the spine.

73 de KF4FJH - RF Buchanan

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997
From: dfrancis@access.usa.net (Dexter Francis)
Subject: FSC-NIIN (NSN ID's of tubes, etc.)
Message-ID: <v01520d00af3241ea7903@[207.0.57.74]>

Those 13 digit numbers like 5960-00-116-9989 (which is a 1624 by the way) are not available in a book that you can buy, borrow or steal. It is possible to figure out what is what by making a request to the folks at the Freedom of Information Office at the Defense Logistics Services Center in Battle Creek Michigan.

However, if your intent is to try and purchase some tubes (FSC #'s starting with 5960) at one of the Defense Reutilization Marketing Office auctions, be prepared to get in line.... The last local auction here in Utah (last December) had 150 tubes types listed and over 2000 bids on them. There are already over 30 different buyers on just the local list of "regulars", (some big guns like Fair Radio I'm sure) already circling the pool.

Bidding is not simple either, there is a number associated with each item and many are prefix 31 which means it's a national sale and the bids have to go to Memphis. Bids for local sales (prefix 40) go to a local office, which may or may not be where the items are located.

There are catalogs available for each sale and you can generally view the items starting a few days before the sale date. The next one around here is Feb 27th. (I may go up to Ogden just to see what's there.)

The tubes are generally offered on a regional or national level, as your Great Uncle Sam has obviously figured out that all those old worthless vacuum tubes are not as worthless as he might have thought.

VT-115's anyone?

-df

BTW - Y'all do me the favor of droppin in on the Web page if you're in need. (I have a couple hundred types listed and add a few more ever day or two.)

I have included some extra features, like an application field and X-refs to substitutions, so it's intended to be more than just a sales sheet.

[For now, if you don't see it listed, don't ask. I can't sell what I can't find.]

* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 *
* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: bgraham@tecnet1.jcte.jcs.mil
Subject: Re: FSC-NIIN (NSN ID's of tubes, etc.)
Message-ID: <m0vxf9i-000CvFC@knuth.mtsu.edu>

I have access to that information. if anyone wants to know
what tube type a specific stock numnber is, send me an email.

Bill

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: Michael Crestohl <mc@shore.net>
Subject: FT-243 Crystals to trade/sell....
Message-ID: <199702210223.VAA01584@northshore.shore.net>

Hello Gang:

I have three FT-243 crystals to swap or sell.....

3792 3794 3798

I would prefer to swap them for some FT-243 crystals in the CW portion
of the 80, 40 or 20 meter band with preference to the Novice portion
of 40 and 80. Otherwise I would be willing to sell them for \$11.00 for the
three including postage.

Please reply by e-mail if interested.

73,

Michael Crestohl, W1RC
mc@shore.net

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997

From: billo@nti.net (Bill Wilson)
Subject: Hauling to Dalton...
Message-ID: <19970220025043274.AAA240@LOCALNAME>

Greetings,

Hopefully the rain will be gone by saturday...anyways I'm hauling to Dalton the following items; B&W 5100-working, recapped but insides don't look mint, Globe Scout 65, Hallicrafters R-19/TRC-1, maybe a 75A2 and other smaller items; tubes, caps and junk. If interested please visit my table in the red brick building. Don't forget to wear old shoes as the field is probably going to be muddy where the parking is.

Regards,

Bill
W4BIZ
Jacksonville, Al.

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
Subject: Home Page returns
Message-ID: <199702202352_MC2-1188-78B3@compuserve.com>

Hello to all,

After an absence of a month, the WA4KCY Home Page has returned to the internet. There was a problem at Compuserve with their home page server which caused the site to be down. I am posting this for the benefit of those who tried to access it and were told that it was no longer a valid page.

Don't forget the hamfest at Dalton, Georgia on Saturday. I am looking forward to seeing many of you there.

Thanks and 73,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
sweetbay@compuserve.com  
wa4kcy@usa.net wa4kcy@juno.com

Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>

<><

~~~~~  
"Our Constitution was made for a moral and religious people.
It is wholly inadequate for the government of any other."
John Adams-1798
~~~~~

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: Stefan A Schulz <sas1757@tntech.edu>  
Subject: I am looking for the navy tech manual for a R-390a  
Message-ID: <Pine.PMDF.3.91.970219194926.539074730A-100000@tntech.edu>

Gang,

I have an army TM for a 390a coming to me soon but I've heard the best one to get is the navy tech manual. If you guys have one you wanna get rid of let me know. If you know where to get one let me know also.

Thanks,

Stefan

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: jmlckwd@mindspring.com (Jim Lockwood)  
Subject: Identifying hallicrafters cabinets  
Message-ID: <199702200321.WAA153524@mule0.mindspring.com>

>FS MAYBE: Cabinet for SX-62/HT-32/SX-101/who knows/etc. No feet, some  
>rust, needs refinishing. If you need one drop me an e-mail. BTW, anyone  
>know how to tell what kind of radio it went to?

All hallicrafters receiver cabinets that I've seen have a "randomly" arranged set of holes on the bottom side. These holes are located such that the RF alignment can be done with the radio in the case, to minimize stray effects. Therefore, the holes aren't actually random, rather they are specially located to permit access to the coils and trimmers of a particular radio. So, if you know what pattern to look for you can tell what radio was originally in the case.

For the large cases, it's my impression that one of the HT-33 variants may have had lift handles built into the sides and that another variant may have had a screen panel on the bottom of the case.

Also there are variations in the style of perforated lid used on these large halli cases.

I'm drawing my own conclusions based on what I've observed, but this is what I believe to be true about the variations in case lids:

The earliest case lids were made of a relatively thin metal, maybe .042 thick or so. Flexing was a problem that needed solving.

One attempt at increasing the rigidity was the embossing of a raised area, maybe 12" by 15" in these case lids. It's my impression that SX-42s (some? all?) had these embossed lids.

In what may have been an attempt to make a less expensive, rigid lid, the material thickness was increased by several thousandth's of an inch. I don't know exact numbers..... only that there is a difference in the metal thickness on these lids over their production life time. I'm also not sure if this was actually a successful solution to the roblem.

Finally, the "solution" that I believe was the last to be implemented, was the addition of stiffening ribs to the underside of the case lids. This was the "right" answer and the problem was truly solved.

73,

Jim - km6nk/4

"List Owner One" , who will be lurking at Dalton this weekend.....

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: WalterLP@aol.com  
Subject: info needed  
Message-ID: <970220060732\_-871599172@emout10.mail.aol.com>

Recently I tried to sell my NC-100X through this mailing list with no luck.

I wonder if anyone can recommend any other site/forum/mailling list/whatever that might be a good place to find a home for this true antique classic.

Thanks, guys.....

Walt, W2JDH

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>  
Subject: Info on a HW 100  
Message-ID: <19FEB97.24739819.0037.MUSIC@MARISTB.MARIST.EDU>

Can anybody tell me about the 100 Heath - good or bad. Output, bands, power supply, tubes. Just any information.  
Thanks  
Fr Bowes

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: RIlowite@aol.com  
Subject: Re: Info on a HW 100  
Message-ID: <970220001920\_-1039188161@emout02.mail.aol.com>

Fr Bowes;; I bought one when it was first introduced by Heath. It took me about a full week, (evenings) to put together. It operated very well from the first. Had it several years and enjoyed it very much. Its a fine transceiver. If you can find one in its original condition, with good tubes and the matching power supply, and it still works well, buy it.  
Regards;;; Ralph;;;W2GKG

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: w2ec@VNET.IBM.COM  
Subject: Re: KWM-2/2A Service bulletins  
Message-ID: <199702201410.IAA19450@uro.theporch.com>

Also Subject: Re: KWM-2A Audio cutout - Problem resolved

Covering two birds with one stone here.

First off, it looks like the audio problem is truly resolved this time.

Thanks to all for the offers of sending me the SB-8 package. Phil Mills was first and faxed them to me so I had a chance to look at the rig last night. Thanks, Phil, and all the rest who made similar offers. Great bunch here!

It was clear that SB-8A, 8B and 8C had not been installed in this rig, there fore I dug thru my parts and found everything I needed to complete these bulletins except for the piece of white-green-blue wire. I traced out the original white-green-blue wire moved during the mod and it appeared that there would be enough left after the move to use in the other location where new wire is called for. This proved to be the case, so now that the mods are installed, it looks just like it should with no "incorrect colored wire" in place.



HOWEVER, before installing the mods, I carefully traced each and every connection that was to be modified to be sure I understood what was going on. In doing so, I found the source of my audio cutout problem. It wasn't just that this rig needed SB-8. The problem was that pin 1 of V16, which has a 2.2meg resistor, a .047 cap and a bus wire to pin 2 of V15 (AVC rectifier), was not soldered. No solder at all. Clean as the day it was built over 25 years ago. The resistor and cap wires were wrapped on pin 1 of V16, but the bus wire was just shoved thru and left hanging. The thing could be wiggled around inside the eye of the socket terminal. Needless to say, before I attempted the SB-8 installation, I did a good solder job on that terminal and also looked around for any other loose solder joint. Didn't find any, so fired the rig up and there it was, great audio, no popping, cutout or anything else. Now it sounds just like I expect a Collins rig should. I then went ahead and added the SB-8 mods just to bring it up to spec, and everything was working great last night, made 14 contacts on the GERATOL net and the audio never skipped a beat.

I know some are going to jump and say "Wow, an unsoldered joint in a Collins radio? How can that be?". To that I answer: There is some question about the source of this particular KWM-2A. The serial number has a J suffix, and the tag indicates it was built by the Collins Radio Company of Japan, LTD, under license from Collins in Cedar Rapids. I've commented to several others previously that the underchassis wiring of this radio just did not look as neat and clean as my other KWM-2, and that it in fact had a "kit built" look about it. This unsoldered joint just adds to my belief that this radio was indeed built in Japan from a box of parts provided by Collins and did not go thru the normal high level quality control process that we ordinarily expect from Collins built gear. That's one persons opinion, anyway.

So it looks like the one serious problem I've had with this rig is resolved and all that's left is some alignment to bring it up to full spec. Thanks for all the support while working thru this!

73, Ray W2EC w2ec@vnet.ibm.com

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Lights for the Workbench/Shack  
Message-ID: <UPMAIL03.199702210100190663@msn.com>

Funny thing about lighting, in my Garage /Shack/Workbench area, I have 3 florescence fixtures all on the same 20 amp service breaker. The two that hang in the middle of the garage have never caused a static or noise problem but the one that hangs directly over my bench does. I have it on a plug and can remove if required. So is it a matter of closeness to the

equipment or is it cheap fixtures or what?

Al

fritsche@msn.com

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997

From: tomrice@netcom.com (Tom R. Rice)

Subject: Lights for the Workbench/Shack

Message-ID: <199702210145.RAA17565@netcom7.netcom.com>

> Funny thing about lighting, in my Garage /Shack/Workbench area, I  
> have 3 florescence fixtures all on the same 20 amp service breaker.  
> The two that hang in the middle of the garage have never caused a static or  
> noise problem but the one that hangs directly over my bench does. I have it

I have had fluorescent lamps on the bench since 1963  
with no noise problems. The answer, I'm sure, is that  
these are 1963 lamps, which used classical (i.e.,  
inductive) ballasts. Later lamps, using the oft-touted  
solid-state "energy-saver" ballasts radiate garbage  
all over the place.

Not a very helpful answer to new bench builders. Best  
try out Halogen lamps, I guess.

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

CIS: 71160,1122

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997

From: Ho4bart@aol.com

Subject: Re: Looking for ancient regen receiver manuals

Message-ID: <970220100131\_1746068622@emout14.mail.aol.com>

In a message dated 97-02-19 14:05:00 EST, rdkeys@csemail.cropsci.ncsu.edu  
writes:

(what this is, is a reposting to anchors of bob's note to me, with  
some addition by me. i thot, maybe mistakenly but maybe not,  
that the subject of classic communication regen receivers might  
be of some interest to some other fanatics. i had asked bob if it  
was true that my RMCA AR-8501 had only been leased to the

shipowner, not sold outright.)  
( glossary: RMCA, Radiomarine Corp. of America = marine  
equipment branch of RCA ).  
now, we return to our thrilling tale of yesteryear.....

<< Oh, the HF one. GREAT! That one is somewhat scarce. The MF set is more  
common. I was about to pay 100 for an MF set but was 20 bucks short after  
a long day of festing and that was at the last table! grrrrrr!

As I understand it, RMCA leased the shipboard installations as part of the  
radio service, to the shipowners. They then billed the shipowners monthly  
and provided all the support to maintain the system. If you have a copy  
of Streichert's Marine Radio Manual, by Cornell Maritime Press, it covers  
some of that pretty well. In the 40's the routes were primarily held by  
RMCA, Mackay, Globe Wireless, and Tropical Radio. Of those only Mackay  
is still in business, but not in the radio service end of it except as  
applies to their installations servicing.

If you should run across an RMCA ET-8510 somewhere that might be reworkable,  
I would like to find one to pair with my ET-8019A. I had one that was the  
absolute pits, one time and gave it up to a collector for spare parts, for  
his pristine machine with a very mangled dial. Now I think I probably  
should  
have tried to rebuild it, anyway.

Bob >>

i fell in love with the AR-8501 after seeing a photo of it in a book,  
probably ?Bucher's Principles of RadioTelegraphy, or something  
like that, i didn't buy the book, and maybe some day i will get back  
to the bookstore to see if it's still there. the LF version does seem  
to be more common, the AR-8500 is it? equivalent to Navy RAZ.  
I had a like new RAZ but i never found much use for LF and don't  
have space for gear that doesn't 'work for it's rent'. I believe the  
RAZ also may have had a preselector. i believe the reason that  
the LF receivers are more common, is that a ship had to at least  
carry LF-MF radio equipment, HF was not required.  
A book with pretty interesting photos and schematics of ship  
regen receivers is Dowsett's Handbook of Wireless Telegraphy,  
( i believe that title is correct, but the keyword Dowsett is enuff  
to identify it ) published in the UK. you want a late 1930s or early  
40s edition.  
hue miller

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: provero@connix.com

Subject: Massive Update to R-392 Pages

Message-ID: <199702210414.XAA09514@comet.connix.com>

With the help of list members Paul Bigelow, John Shriver, and Tom Marcotte, a whole bunch of new information has been added to my R-392 web page (address in sig). New data includes:

RCA HB-3 Text and Characteristic Curves for 26-series tubes  
Toshiba ZS-1447A -- a very R-392 like receiver (photos & text)  
An almost complete stage by stage set of circuit diagrams

I am having trouble getting a good image of Figure 26, Antenna circuit and first r-f amplifier, from the manual. It's a fold out page in the original, but my manual copy has it split on 3 pages with different sizes/orientations. Can't get it all on one page and looking right. If anyone in the group can do the xerography or scanning on this figure, it would be much appreciated.

As always, additional images and information of any kind are welcome.

|                     |        |                                                                               |
|---------------------|--------|-------------------------------------------------------------------------------|
| P.J. "Josh" Rovero  | home:  | provero@connix.com                                                            |
| Meteorologist       | radio: | KK1D                                                                          |
| Oceanographer       | work:  | rovero@sonalysts.com                                                          |
| Curmudgeon-at-Large | web:   | <a href="http://www.connix.com/~provero/">http://www.connix.com/~provero/</a> |

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997

From: ARONGV@aol.com

Subject: Mic Info Needed

Message-ID: <970220033507\_-2110077059@emout11.mail.aol.com>

Hi Gang:

Normally, I hang out on the CW portion of most bands, so I don't know much about mics.

I'm putting a Swan 400 and a Swan 500CX on and I'd like to try some AM and SSB. What mics work well with the Swan rigs?

Also, any for sale?

73s & good Hunting!

Ron

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Military VOM AN/PSM 6-B  
Message-ID: <Pine.ULT.3.95.970220130800.26129D-1000000@admin.aurora.edu>

I just obtained one of these critters and I am impressed. It is one rugged and accurate VOM. I don't know how many of these are floating around, but I highly recommend it. The only thing that is a bit wierd is the battery for the ohms ranges. It is a single cylindrical unit 11/16 dia, 4 1/2 inches long - (BA-1085/U). It is a 13 volt battery, tapped at 1.3 volts.

In order to substitute "normal" batteries, parallel R120 with a 4.7K resistor. It will now work with a 1.5 volt cell on the lower ranges. To obtain the required 13 volts for the highest range, series a couple AA cells with a 9 volt job and put that in series with the first cell. It's a bit tight, but they will fit. I used a "A" cell for the low ohms ranges because of the higher current drain.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: Bill Breshears <bbuck@cccbbbs.com>  
Subject: Re Monitoring AM Hum Stuff  
Message-ID: <01BC1F3F.87FC7080@s14.cccbbbs.com>

I have been following this string closely because I have had the same problem, and spent a week working the problem. I chased the grounding loop etc. before I gave up. (Note that I also tried a small battery SW radio, it had the hum too. A look with a scope showed big hum present on the IF??)

On 2/20/97 Hue Miller wrote:

>even if your monitor is a totally passive tuned circuit and  
>diode type, you're going to pick up the ac hum at a  
>surprising, deceptive level. you don't hear the carrier,

The solution for me was a simple diode detector and

quality headphones. A hum is barely perceptible for very close coupling but doesn't approach that present on a more complex radio. My final AM monitor circuit is an RF Choke (2.5MH) with 1N34 diode detector into a Radio Shack 386 audio amplifier. Circuit plus 9V battery is in a small R.S. plastic box. Box is positioned near Xmitter, Ant, or Dummyload so Choke couples a little RF, no direct connection. Audio Amp allows big latitude in placement, and adjustable level in headphones.

Bill Breshears WC3K ex: W5VVP, VK8BJ, WA6ZEE  
Maryland  
bbuck@cccbbbs.com

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: Ho4bart@aol.com  
Subject: Re: monitoring transmitted AM signal, ac hum  
Message-ID: <970220110312\_820031041@emout14.mail.aol.com>

well, here's my intuitive take on this.

of course you have hum on your signal, at some level. your radio contacts tell you not to worry, they don't hear anything. the 'talk power', modulation level of the hum is very, very low, because you have a clean transmitter. the recovered hum at the receiving end is too low to register.

at your shack, when you transmit, your reception of your own signal via capacitive coupling, inductive coupling, and just plain radio reception of the radio signal near field, puts a whopping signal into your receivers. the 60 cp/s hum sidebands are there too, and altho they are reduced from the carrier level a great deal, some level of hum does modulate the carrier. at this range the hum sideband is not insignificant, compared to other 'real' radio signals coming in. the agc tries to adjust the gain for the enormous carrier being received, but it has its limitations, it wasn't designed to handle several volts -- or more. when the carrier and the hum sidebands hit the diode detector, you have the result-- audio output, the ac hum ( actually more likely mostly 120 cp/s).

even if your monitor is a totally passive tuned circuit and diode type, you're going to pick up the ac hum at a surprising, deceptive level. you don't hear the carrier, you hear the product of the carrier and its sidebands, and at

this close range the hum level radiated is strong -- only relatively.

i believe i first came up against this with the Knight Wireless Broadcaster, with a mighty 0.1 w input power. Now someone is going to say, "oh that thing didn't have any real ps filtering, the hum level on that ac/dc stuff is always high". but the same effect was noticed: at close range, a heinous hum level; at "dx", a house or 2 away, no hum.  
that sound reasonable? hue miller

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997

From: Ho4bart@aol.com

Subject: Re: More Regen Threading the Eye of the Needle.....

Message-ID: <970220134422\_445657262@emout11.mail.aol.com>

In a message dated 97-02-19 12:54:48 EST, rdkeys@csemail.cropsci.ncsu.edu writes:

<< The dual 6AQ5 set in the middle

60's How to Become a Radio Amateur guide is also a pretty solid two tuber set

with a good basic, but well thought out, design to it >>

i read this back in my shortpants days and marvelled at the raw mechanical styling, at least to one then only accustomed to commercial chrome & gingerbread. for one accustomed to transistor radios, here was a set with BIG coils, BIG dials, and raw unpainted plain aluminum, and high voltages.

but now i question, WHY 6AQ5 ?? for headphones you don't need anything like that power, while for good speaker operation, 2 6AQ5 probably isn't going to do it anyway. plus these 2 power tubes generate more heat than is needed near the freq determining components. i would never pick the 6AQ5 for a vfo tube! my opinion: mechanically interesting, basic functional appearance, but choice of tubes = bizarre. i'm glad you reminded me of this set tho. with the matching single tube transmitter it makes a goodlooking nostalgic novice station.

your comments on lack of audio out of one-tube receiver: now i understand better why Western Radio sold the 1-tube audio upgrade to their BN-1 novice transceiver. with only one triode to the headphones, you might have difficulty working "coast to coast" as the manual touted, unless the far station had the power of NSS.

i built once a vlf regen from a ckt in an olde radio textbook.

( the simple generic ckt appeared in the 1960s also as an article in QST "An NAA Receiver". ) single triode, 6J5. the olde book stated for coil only "1500 turn honeycomb". well i found a pill bottle and wound a bunch of turns on it, forgot where i was at, started counting again from 1, probably did this a bunch of times. anyway with non-vhf wiring practice ( long wires all over the place ) it did work. this was in the last days of vlf cw telegraphy. the only thing that was strange was that i could pick up NSS, NPM, NPG/NLK at several spots on the dial. also at odd times, i could pick up on top the cw, some kind of rythmic brush-type sound, which turned out to be brushes indeed. i mean musical brushes, the percussion instrument, being picked up from my dad's hifi when he played jazz records. apparently i had wound enough turns that the circuit tuned to below the (then) border of the radio spectrum, 14 kc/s. as i tuned the thing thru its range, apparently it made a beat note with vlf stations at 2 or 3 multiples of the oscillation frequency. i wish i still had one qsl: "Many thanks for your useful reception report our station NPM 500 000 W. (signed) L.G. Rawlins, Lt USN". useful, i'll bet! ( NPG/NLK is still on the air, keyed out of SF CA. you can sometimes hear it on some long distance phone lines in WA state, like out to the olympic peninsula. driving to work from woodinville to bellevue i could hear it in the background on my car radio at one particular dip in the road. now its TTY, not cw tho.) hue miller

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: More Regen Threading the Eye of the Needle.....  
Message-ID: <330C9A76.3220@millcomm.com>

The heat generated would not be dependent on tube type, but on the operating conditions imposed on the chosen tube.

I've seen oscillators in test equipment that used 6AQ5's and similar, run at low dissipation. Perhaps the designers thought that a large structure run at low power levels would have better stability than a small tube run at full ratings.

Also, one could suggest that life would be enhanced also. A tube run in this way might allow for longer intervals between calibrations, since the extended life would mean slower change of tube characteristics.

Of course, the calibration issue wouldn't be relevant to the simple regen



rigs. But perhaps the lower temp and greater stability would be.

R.

--

Richard Hager

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+ "I just like to make things" so... -  
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+ <http://www.ahha.com> email: [sales@ahha.com](mailto:sales@ahha.com) -

From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Thu Feb 20 23:00:11 1997  
From: Robert Fowle <[hammarlund@jacksonmi.com](mailto:hammarlund@jacksonmi.com)>  
Subject: my loss your gain..FS..TCS-12/13/HBPS & cables  
Message-ID: <330D0122.7D60@jacksonmi.com>

hi all;

have TCS-12 Collins, completely restored by Cal (list member)  
beautiful...also have Hamiton TCS-13 unrestored & homebrew supply,  
2 cables, and the plate the 12 sits on...  
pick-up only (Jackson, Mich) \$190  
thanks  
Robert

--

\*\*\*\* Visit my Web Page.....\*\*\*\*

=====] -[->

Robert Fowle KC8DBC  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721  
E-mail: [hammarlund@jacksonmi.com](mailto:hammarlund@jacksonmi.com)  
Web Page: <http://www.jacksonmi.com/hammarlund>

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Moderator: Robert Fowle  
at: <http://www.inetnc.com/hamchat/>

From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Thu Feb 20 23:00:11 1997  
From: "Lynn D. Stolz" <[lynn@midohio.net](mailto:lynn@midohio.net)>  
Subject: My loss-your gain = stuff FS  
Message-ID: <330D37AF.1D65@midohio.net>

Gang:

New job = no time to play & hamfest for a while (At least until Dayton).

I have an HQ-110 with copy of manual: plays good and looks good. It has all original knobs and is ready to plug-and-play. Asking \$100 + shipping from 43015. Estimated shipping weight is 25 lbs.

Also for sale is really nice SX-117 with manual copy. This is clean and very nice. I haven't had time to align it, but I think that's all it needs to be a top performer. Asking \$150 + shipping from 43015. This will probably be around 25 pounds to ship.

If interested, reply to lynn@midohio.net or call me at 614.369.9777.

Lynn - N8AJ

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997

From: bdhall@ghg.net (Benjamin D. Hall)

Subject: NASA Technical Reports Server

Message-ID: <330BAF37.2CEE@GHG.net>

Many moons ago, someone on BA asked about an old NASA Technical Report that talked about the bandwidth needed for communication via radio. I said I'd put my NASA goons (tech library folks) on it, and they pretty much chuckled at me, 'cuase my description was way way way too vague. Well, recently a webpage has come on line allowing searching of these reports. I tried searching for it, and came up with about 30 pages of hits. So, y'all that were looking for it can search to your hearts delight with more specific criteria:

<http://techreports.larc.nasa.gov/cgi-bin/NTRS>

Lots of BA era communications goodies as well... You can search pretty much every NASA-related server.

73,

Ben

--

```
-----
From the computer of          | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHG.net (home) -or-      | involving Earth, Air, Water, and
Benjamin.D.Hall1@JSC.NASA.gov   | Fire.
-----
```

\*\*\*PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above.\*\*\* My old address,

BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: MODSTEPH@ACS.EKU.EDU  
Subject: National NC-2-40D help needed  
Message-ID: <01IFM71J9KB60101FV@ACS.EKU.EDU>

Gang:

I got the following from Jim Hanlon, W8KGI. Can anyone help his friend?:>>>>>

From:IN%"JTHANLO@sandia.gov" "James T Hanlon"  
To:IN%"modsteph@ACS.EKU.EDU"  
CC:  
Subj:PS  
#19 19-FEB-1997 16:31:52.51  
NEWMAIL

Al,

I have another letter from Wes Chatellier, W5DPM, who has an NC-2-40D he is restoring. The dial calibration plate, he calls it a dial scale, suffers from badly chipped paint, the bandspread calibration is gone and the general coverage calibration is badly worn. Wes would like to find another calibration plate in better shape, or he would like a good photograph of the calibration plate that he could have reproduced in the correct size for installation in his receiver.

Would you be so kind as to post this to the BA group?

Wes can be contacted at:

Westley M. Chatellier  
1950 Chevelle Drive  
Baton Rouge, LA 70806-8413

Thanks,

Jim

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: Hans Jense <jense@eos.arc.nasa.gov>  
Subject: Need info on Collins 51X-3 VHF receiver (boatanchorette?)  
Message-ID: <199702202301.PAA14505@eos.arc.nasa.gov>

Dear listmembers,

Yesterday UPS delivered this package - courtesy of listmember Lenox Carruth - containing among other things the above mentioned receiver. The name tag says:

VHF RECEIVER  
TYPE 51X-3 SER.NO. 41  
WT.2.9 LBS.  
CAT. B TSO - C36, C38 & C40  
COLLINS RADIO COMPANY  
CEDAR RAPIDS, IOWA, U.S.A.

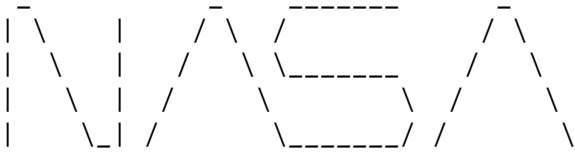
This receiver is receiver is too small even to be called a yachtanchor. Maybe a surfboard anchor? It is housed in a 4 inch dia, 10 inch long case that is supposed to be mounted directly on the aircraft's instrument panel. The rear end holds a BNC connector (antenna?), mini-BNC connector, a rectangular 18-pin male connector (4 rows of 5, 4, 5, and 4 pins each), and a similar 14-pin female connector (3 rows of %, 4, and 5 pins each). The front panel sports a mechanical digital frequency read-out, 2 frequency control knobs (one for the 1 MHz steps, and one for the 100 KHz steps), as well as concentric controls for volume (including an on/off switch) and squelch. Frequency coverage is from 108.0 - 126.9 MHz. Tube complement: 5654, 5654, 5670, and 5670.

It looks to me like this is a communications receiver for general aviation, but maybe someone will tell me otherwise. Can anyone help me get documentation on this little gem? Would Collins be able to help me? Any pointers will be greatly appreciated.

-- Hans

```
=====
Dr. G. J. Jense      | Command & Control and Simulation Division
Senior Scientist     | TNO Physics and Electronics Laboratory
Virtual Environments | The Hague, The Netherlands
-----
```

Currently on leave at:



Human and Systems Technology Branch  
NASA Ames Research Center  
Code AFH, Mail Stop 262-2  
Moffett Field, CA 94035-1000

Phone: (415) 604-1877  
Fax: (415) 604-3729  
Email: jense@eos.arc.nasa.gov

=====

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: Ronnie Hull <larebel@ms1.nwla.com>  
Subject: new hamshack  
Message-ID: <1.5.4.16.19970220053113.2ee746e2@ms1.nwla.com>

Howdy ya'll  
well, the new hamshack arrived this week. I feel like a new parent! Its 12 X 24 and bare. Before I start buying supplies to finish this shack out, I have one question. Should I use flourescent lighting or incandescent? I hate noise problems and we have all had them. I will be installing a halo ground system around th is building. But, I don't want to introduce noise into the shack with my lighting system. What do you fella's think?

I have heard that flourescent lights will generate a lot of noise due to the ballasts in them. Pros and cons gentleman?

Thanks & 73's

Ronnie W5SUM

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: new hamshack  
Message-ID: <Pine.ULT.3.95.970220071936.4165C-1000000@admin.aurora.edu>

On Thu, 20 Feb 1997, Ronnie Hull wrote:

> to finish this shack out, I have one question. Should I use  
> flourescent lighting or incandescent?

It's really a matter of preference. I have used fluorescent fixtures in my shack for over 20 years with no problems - as long as the bulbs are OK. When the bulbs start to go and the ends start to turn black it is time to replace them. Yes, fluorescent lamps can create noise but only when something is wrong with them. I have 2 ceiling fixtures, one in the center of the room and one over the workbench. Over the operating desk I have a gooseneck incandescent lamp. I like the softer light above the writing area.

E-mail broehrig@admin.aurora.edu                      73 de Bob, K9EUI  
CIS: Data / Telecom    Aurora University, Aurora, IL  
630-844-4898    Fax 630-844-5530

From boatanchors@theporch.com    Thu Feb 20 13:09:17 1997  
From: Mike Toneri <toneri@ils.net>  
Subject: Re: new hamshack  
Message-ID: <199702201525.KAA18039@server1.ils.net>

At 05:33 AM 2/20/97 -0600, Ronnie Hull wrote:

>Howdy ya'll

>well, the new hamshack arrived this week. I feel like a new  
>parent! Its 12 X 24 and bare. Before I start buying supplies  
>to finish this shack out, I have one question. Should I use  
>fluorescent lighting or incandescent? I hate noise problems  
>and we have all had them. I will be installing a halo ground  
>system around this building. But, I don't want to introduce  
>noise into the shack with my lighting system. What do you fella's  
>think?

>

>I have heard that fluorescent lights will generate a lot of noise  
>due to the ballasts in them. Pros and cons gentleman?

>

>Thanks & 73's

>

>Ronnie W5SUM

>

I have fluorescent lighting in my shack and do not notice any noise at all from them. There are two things I don't like about them, too much glare on the equipment panels and I can't dim them. Personally I prefer incandescent lighting that can be dimmed. If regular bulbs are not bright enough for some areas, supplement them with another circuit using halogen lamps.

73...Mike VE3FGU

\*\*\*\*\*

Mike & Lynda Toneri    E-mail:    toneri@ils.net

\*\*\*\*\*

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: Ho4bart@aol.com  
Subject: Re: new hamshack  
Message-ID: <970220112830\_1147762263@emout10.mail.aol.com>

In a message dated 97-02-20 10:36:13 EST, toneri@ils.net (Mike Toneri) writes:

<< I have heard that flourescent lights will generate a lot of noise  
>due to the ballasts in them. Pros and cons gentleman?  
> >>

the other post saying no hum from flourescents surprised me. not that i doubt that tho.  
one thing i don't like about flourescents is that they seem to put out a pretty good ac voltage field. i mean i think using them on a workbench when working on sensitive audio or dc amplification would i think be a nightmare. i mean if your scope and vtvm probes pick up gobs of ac and you can look at your scope and watch the firing pulse and all..... another thing i noticed that at certain low temperatures the fluors cut out and just flash. probably if it was this unpleasantly cold you would not stay in your ham shack, or more likely you have heating. we had a workshop with a woodstove and for the eternity that it took the place to heat up, the fluorescents were useless. hue miller

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: new hamshack  
Message-ID: <330C9122.6C3@millcomm.com>

re: flourescent vs. incandescent lighting

If you're concerned with RF noise, I would =definitely= go incandescent.

Flourescents are a gas discharge type of lamp. They produce a significant amount of -wideband- RF noise, like a white noise generator. The discharge occurs in the UV range, and the phosphor coating on the glass converts the UV energy into the visible range. Think of a flourescent tube as a 40 watt wideband RF noise transmitter and you have about the right idea...

In addition, they produce a healthy spike at the 120hz rate, since the discharge snaps completely on and off every half cycle.

The old-style ballasts themselves don't make any noise. They're just inductors. But if your fixtures have electronic ballasts, watch out! Those are switching power supplies with plenty of RF noise output of their own, typically at a 30-100khz rate.

You can use a spectrum analyzer to track down noise sources like this. For example, if your VFO output shows spurs at 31.4 khz, you'll be scratching your head, until you remember that the VGA horizontal rate is 31.4. Yep, powering down the monitor makes 'em go away.

Another surprisingly 'loud' noise source is test equipment itself. The LED display on a fancy DMM or generator puts out a ton of hash. A CB handheld with the antenna down makes a good 'tracker' for this stuff.

Back to the lights....In our test lab, there are numerous flourescent fixtures. For millivolt measurements, we always have to walk around and shut off all the flourescents in order to clear the hash from the screen.

Whether the wideband noise from these lights will affect your operation or not will depend on what you're trying to do. Perhaps it isn't a problem for normal communications, I don't know. But if you want to be -sure- you've minimized noise in the HF region, then use incandescents without dimmers, or with variac dimmers only.

Richard

--

Richard Hager

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+ ...for CNC info, please call Ah-ha! direct -  
+ <http://www.ahha.com> email: [sales@ahha.com](mailto:sales@ahha.com) -

From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Thu Feb 20 23:00:11 1997  
From: [GDePrez@aol.com](mailto:GDePrez@aol.com)  
Subject: New HRO-50T owner: Tips, Coils?  
Message-ID: <970220140511\_-938559516@emout15.mail.aol.com>

Per my post on the recent Denver hamfest, an HRO-50T has elbowed its way into my basement. Clean, tubes OK, filter cap being replaced...already getting stronger signals on 6' of antenna. Crystal filters work great; noise limiter seems to work magic on impulse noise... So here's the "new owner" list:



-How hard to find coils (& dial scales) A (14-30 Mhz), E (900-2050 Khz), F (480-960 Khz), G (180-430KHZ), H (100-200 Khz), J (50-100 Khz), AB (25-35 Mhz) ? I understand coils for the HRO-50T-1 and HRO-60(below 7Mhz) will work. (An owner I found thru Electric Radio says he bought a second unit just to get coils...OK, OK, they're scarce, right?)

A, E, and F are primary interests for BCB & SWL...Any leads?

-The "SOJ-3 Select-O-Jet" audio filter accessory mentioned in the manual: useful, or a vintage novelty? -Anyone got a lead on one?

-Anyone got the SAMS for this unit so I can arrange for copy?

-Anyone collected some good posts on the National HRO-50/60 they can email me?

Thanks! This beauty is going to be FUN!

Greg DePrez  
Highlands Ranch, CO  
GDePrez@aol.com

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: ARONGV@aol.com  
Subject: Price Help Needed  
Message-ID: <970220134232\_542117604@emout11.mail.aol.com>

Hi Gang:

I need some advice.

I have a opportunity to buy a Swan 700CX with built-in 16-pole lattice filter. Apparently this one has some interesting improvements over the 500Cx.

It is offered with PS, of course. Reportedly it's a 9.5/10 point rig. Its full model ID is 700CX SS16B, and this appears on the front panel.

Seller has had it quite a while, only using it occasionally. My point is, neither of us know where to ballpark the price. Not even for openers!

Any clues about price? Or at least what should I expect to pay for the more typical 700CX in this condition? That might be a place for me to start.

Thanks for helping me out.

73s & Good hunting

Ron Wo0IZ Kansas City

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: jschwart@ix.netcom.com (John Schwartzberg)  
Subject: Rectifier Tube Wanted  
Message-ID: <199702201429.IAA20305@dfw-ix6.ix.netcom.com>

Hi Gang -

Need a high current rectifier tube for a power supply I'm building. I'm looking for a 5U4G, 5R4GY, 5Z3, 80, or the like. Any help?

Thanks.....

John  
N0GII

Denver, CO  
jschwart@ix.netcom.com

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: Bill Meara <wmeara@erols.com>  
Subject: Regen Threading & HQ-100  
Message-ID: <199702201121.GAA24087@smtp2.erols.com>

>Date: Thu, 20 Feb 1997 11:21:46 -0400  
>To: rdkeys@csemail.cropsci.ncsu.edu  
>From: Bill Meara <wmeara@erols.com>  
>Subject: Regen Threading & HQ-100

>

>At 11:54 AM 2/19/97 -0600, you wrote:

>

>>Remember, designing a good regen receiver, simple or complex, is not  
>>an easy matter. There is more to the art form than is commonly let  
>>on in the simple receiver articles. It can be done simply, but you  
>>have to have a pretty good idea of how to optimize the simple design  
>>into a good workable everyday receiver. Also, operating one is not  
>>quite as easy as it first seems. But, with some bit of practice and  
>>a good design to start with, it can be done..... that ol' fool BA Bob  
>>has a'been doin' it fer as long as he can remember.....(:+\.....

>>

>Bob: Fascinating post! Reminded me of a question I had about the Q multiplier in my HQ-100. I can get it to oscillate and act like a BFO, but I don't notice much of an increase in selectivity as I approach the oscillation point. Any thoughts?

>

>Also, Hammarlund literature claims that to really soup up the HQ-100, you should convert the xtal calibrator into a BFO by swapping the 100kc rock for a 455 hz crystal. Then you could use the selectivity afforded by the pre-oscillation Q multiplier circuit when coping CW or SSB. I tried it, but it didn't seem to do much good. Any ideas on this?

>

>>

>

73 De N2CQR

Bill Meara

Hallicrafters, Heaths and Hammarlunds

QTH: Falls Church, Virginia, USA

Formerly of Tegucigalpa, Bilbao and Santo Domingo

wmeara@erols.com

<http://www.mindspring.com/~johnmb/billm.htm>

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997

From: MEC <danmec@inet.uni-c.dk>

Subject: Re: Russian post WW II Spy Radio

Message-ID: <Pine.3.89.9702200931.A18732-0100000@inet.uni-c.dk>

> I have a contact inside the United States that has for sale some parts of a  
> POST WW II Russian Spy Radio. The closest analogy to this set is it is the  
> Russian equivalent of the RS-6. The set is not complete. I am told the TX  
> is restorable, the power supply can be fixed up with work, the RX is a  
> basket case. The probability of finding parts is less than the probability  
> of me finding the B2 parts I need for my British SOE B2 radio.

>

> The price asking is outlandishly high at \$1500 US\$. A price of \$300 US\$  
> might attract some action, if I have a sense of the item.

I have received photos and an evaluation of this set / and turned it down.  
The Russian owner thinks he can ask any price for 'spy sets' ! Hi

Caveat .....

73 Rag OZ8R0

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997

From: Ho4bart@aol.com

Subject: Re: Russian post WW II Spy Radio

Message-ID: <970220093736\_1315475835@emout16.mail.aol.com>

In a message dated 97-02-20 04:17:34 EST, danmec@inet.uni-c.dk (MEC) writes:

<< The Russian owner thinks he can ask any price for `spy sets` ! Hi  
>>  
probably he thinks he can match the price of the last one sold in US,  
which did go for this price.  
hue miller

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: "Manuel A. Maseda" <mmaseda@gte.net>  
Subject: Shipping BA to Sweden  
Message-ID: <330C4D4D.561C@gte.net>

I'm trying to send a BA to a friend in Sweden. I called Emory Air  
Freight yesterday and they said that they no longer accept packages from  
individuals. Anyone know a good way to send a BA to Sweden other than  
FedEx or UPS?

Manuel W4SSB

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: Shipping BA to Sweden  
Message-ID: <199702201356.HAA05568@smtp.gte.net>

> I'm trying to send a BA to a friend in Sweden. I called Emory Air  
> Freight yesterday and they said that they no longer accept packages from  
> individuals.

Wonder if they take packages from persons suffering from multiple  
personality disorder?

Grant/NQ5T  
Grant Youngman -- NQ5T  
nq5t@gte.net  
[HTTP://home1.gte.net/nq5t/index.htm](http://home1.gte.net/nq5t/index.htm)  
Double Oak, TX (near Dallas)

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Re: Shipping BA to Sweden

Message-ID: <330C6852.63C7@ghg.net>

Manuel A. Maseda wrote:

> Anyone know a good way to send a BA to Sweden other than  
> FedEx or UPS?

I used UPS to send a Racal RA6790/GM to Finland, and found the whole experience to be pretty painless. Yes, there are some extra forms and stuff, but I found the UPS International folks to be very helpful and friendly... The Racal arrived as I sent it, although people that have bought stuff from me know that I pack stuff to survive a trip to hades and back intact...

Personally, I don't think you can go wrong with UPS as long as you pack the stuff to survive and insure the heck out of it. (I insured the Racal for \$1300 for a cost of \$3) The only problems I've had with UPS is when stuff hasn't been packed really well. Packing well means double boxing with double wall HEAVY DUTY boxes, securing all seams with fiberglass reinforced tape, with AT LEAST 12" of foam insulation (peanuts stink, heavy BA's eat plastic peanuts for lunch!) between the outer box and the equipment, and bagging the equipment to keep out moisture...

Good luck!

73,

Ben from the Import/Export Division of Ben's Antique Radio Werks

--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.

E-mail: BDHall@GHG.net (home) -or- Benjamin.D.Hall1@JSC.NASA.GOV

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997

From: km1h@juno.com

Subject: Re: Shipping BA to Sweden

Message-ID: <19970220.104909.9887.7.km1h@juno.com>

Try a Freight Forwarder . I have used Hellman International for years (they have many US offices). Or start in the Yellow Pages. Shop around since prices vary considerably.

UPS has 3 levels of foreign service and they can be very cost effective. Their biggest plus is door to door service in 3-4 days which really reduces the opportunity for damage, theft, etc.

73.....Carl KM1H

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: Allen Tucholski <allent@en.com>  
Subject: Signal Generators FS T-430/UR- BC221-AL Eico 324  
Message-ID: <1.5.4.16.19970219222743.372f6b72@en.com>

Hello All

I am house cleaning and have the following signal gererators for sale.

Transmitter Radio T-430/UR  
Barker & Williamson  
Order # 31233

Telescoping antenna, Military Green case, about 12" high, 8" wide 5" deep  
Fantastic tuning system.  
Freq range 20 - 40 Mhz, 40 - 80 Mhz, 80 - 160 Mhz  
Fully operational, just plug it in and turn it on.  
Nice condition! Serial # 86

\$50 + shipping

BC 221-AL  
Signal Corps  
Ready to go, just plug it in.

125 - 20,000 KC  
With Index of dial settings book,  
Unit is built into a handsome wooden compact box.  
Good condition.

\$35 + shipping

Eico Model 324  
As new condition

Freq coverage,

150 - 400 KC  
400 - 1.2 MHz  
3.5 - 11 Mhz  
11 - 37 Mhz  
37 - 145 Mhz

110 - 435 Mhz

Serial # 67086 Like new!

Works great!

\$40 + shipping

Looking for an Eico Model 667 tube tester.

Allen

NASA Lewis Research Center  
Cleveland, Ohio

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: Rich Arland <qprich@postoffice.worldnet.att.net>  
Subject: Small BAs - a correction!  
Message-ID: <19970220035106.AAG15131@LOCALNAME>

The Eico I listed is NOT a 763 it is a 723.....a typo. Sorry 'bout that.

Its still available.

73 rich K7SZ

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: George Humphrey <gah@koyote.com>  
Subject: Sonar Radio Manual Needed  
Message-ID: <1.5.4.32.19970220025824.0068f148@mail.koyote.com>

BAers,

I am in need of a manual or Sams on the Business  
Radio made by Sonar, Model number FM-40. Usual  
considerations and reimbursements.

George Humphrey

Rt. 3 Box 747  
Emory, TX 75440

Thanks, George

73 George KC5WBV  
gah@koyote.com

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: David Medley <davemed@worldnet.att.net>  
Subject: SSB for the R390-A  
Message-ID: <3.0.32.19970219213435.006c8ea0@postoffice.worldnet.att.net>

Can anybody please tell me where to get info on the Dallas Lankford mod to  
provide a product detector for the R390-A?  
Dave

David Medley KI6QE/7 VK2IMJ  
davemed@worldnet.att.net  
Tucson Arizona

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: "Richard A. George" <wa6jox@rain.org>  
Subject: subscription information  
Message-ID: <Pine.SUN.3.95.970220175618.26260B-100000@coyote.rain.org>

Could some one email n6rmj@qnet.com the information required to subscribe  
to the Boaranchors. I forgot how to do it thanks.

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: "Lynn D. Stolz" <lynn@midohio.net>  
Subject: SX-1117 receiver spoken for  
Message-ID: <330D4E02.7C1C@midohio.net>

The Subject says it all.

Thanks,  
Lynn N8AJ



From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Tightening up yer loose IF strips (BC-348, ARC-5, etc.)  
Message-ID: <9702201710.AA161982@csemail.cropsci.ncsu.edu>

A couple of thoughts on the loose and broad IF's and poor xtal filters on the likes of BC-348's and ARC-5's, etc.: (we all remember this, right?)

- 1) Remember to align your xtal filters ON THE FILTER ROCK QRG.  
A xtal filter can drift as much as 5 or more khz over the years and if you align on the listed frequency you will be WAY off. To find your xtal frequency, set the filter in its narrowest position and ring the filter by sweeping the bfo across in frequency with the bfo dial AND capacitor set to center. When you find the zero beat in noise rush, you are on the filter rock qrg. Then align on THAT frequency by bringing your siggen to THAT zero beat, NOT the listed IF frequency. For some reason many folks seem to forget this simple rule de thumbie. Even R-390's are subject to this xtal drift over time. BC-348's and BC-342's are notorious for this drift. Cleaning the rock, as was mentioned previously will help, but the holder capacitance is part of the problem and there is no good/easy way to get around that. So, find your ACTUAL IF rock QRG, rather than its listed QRG.
- 2) Remember that a simple gimmick capacitor judiciously used across IF stages (one or more) will greatly increase the selectivity by introducing substantial regeneration into the stages, narrowing the bandwidth. Works great on 348's, arcusfivies and the like. Probably also the infamous S-38's etc., too. This is an old sleeper trick.

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: Ho4bart@aol.com  
Subject: Re: Tightening up yer loose IF strips (BC-348, ARC-5, etc.)  
Message-ID: <970220111729\_1147762254@emout18.mail.aol.com>

In a message dated 97-02-20 10:46:47 EST, rdkeys@csemail.cropsci.ncsu.edu writes:

- << 2) Remember that a simple gimmick capacitor judiciously used across IF stages (one or more) will greatly increase the selectivity by introducing substantial regeneration into the stages, narrowing the bandwidth. Works great on 348's, arcusfivies and the like. Probably also the infamous S-38's etc., too. This is an old

sleeper trick.

>>

i wanted specifically to not consider this idea, because altho i have tried it,  
i did not like the effect of the agc being screwed up or nonfunctional. when

the amplifying stage is also regenerating for selectivity, you really can't control one separately from the other. IMO having the q-multiplying done external to the 'gain chain' is vastly preferable.

my hopes for the BC-348 are modest. i like the tuning rate, bandspread, ergonomics, and aura, but i would like the selectivity to be more like that of the conventional 2-IF, 455 kc/s bulbstate sw receiver. i haven't used a 348 for a while, but i do remember the "beeb" ( BBC ) on 5995 was it, having trouble from near signals. the quest continues.....

hue miller

BJ

b

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Re: variable bandwidth IF cans -or- how to screw up some National  
Message-ID: <Pine.ULT.3.95.970219194432.26358B-100000@admin.aurora.edu>

On Wed, 19 Feb 1997, Richard Hager wrote:

> The second item is interesting also. Although I've not done any work  
> with IF cans, I can say that the amount of DC current in a switching  
> power inductor has a large effect on its characteristics.  
> It wouldn't surprise me if removing the DC from an IF can would lead  
> to a higher Q.

I speak from experience that the Q of some inductors drops with an increase of DC current. When I designed my 60 kHz WWVB receiver (See Jan 1994 "73"), I ran the tuned stages at around 500ua of collector current. I have not checked to see how regular IF cans behave in tube plate circuits, vs not having plate current in them.

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL

630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997

From: Ho4bart@aol.com

Subject: Re: variable bandwidth IF cans -or- how to screw up some National

Message-ID: <970220102054\_751713310@emout14.mail.aol.com>

In a message dated 97-02-19 20:55:01 EST, broehrig@admin.aurora.edu (Bob Roehrig) writes:

<< I speak from experience that the Q of some inductors drops with an increase of DC current. >>

just curious, why would this be? hue

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: variable bandwidth IF cans -or- how to screw up some National  
Message-ID: <330C82FA.14A3@millcomm.com>

I blew it. The IF can in question is AIR CORE. Larry said this in his original post but I missed it. The DC current in this situation would not have any effect on the coils.

Sorry Larry!

R.  
--

Richard Hager

+ Ah-ha! Design Group, Inc. -  
+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to make things" so... -  
+ ...for CNC info, please call Ah-ha! direct -  
+ <http://www.ahha.com> email: [sales@ahha.com](mailto:sales@ahha.com) -

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
Subject: Re: variable bandwidth IF cans -or- Strange National's  
Message-ID: <3.0.16.19970219203055.0a9749b2@pop.pipeline.com>

At 14:19 02/19/1997 -0600, it was written:

>this should be added as a "trick question" to the hamradio test,  
>question pool.  
> hue miller  
>

To the hamradio test? Heck, I've got four guys working toward

a \*consensus\* in a private thread on this thing... :-)  
If one of the others doesn't, I'll post the results when everyone  
decides we understand the darn thing... :-)  
I think some of the people I'm talking to, do already, but they are  
kindly \*trying\* to help me get up to speed... <grin>

If this keeps running, I'll have to start thinking about a mail  
reflector for IF transformer design issues.... :-)

-Larry Ware  
lrware@pipeline.com  
Orlando, Florida

From boatanchors@theporch.com Thu Feb 20 13:09:17 1997  
From: "Warren, Mike" <mwarren@fs.com>  
Subject: Vintage Radio Auction - 2/22/97 - Seville, OH  
Message-ID: <c=US%a=\_%p=FSFT%l=EMAIL-970220142259Z-95@email.fs.com>

Hi Gang - ran across this info:

Estes Auctions' Vintage Radio Auction  
Seville Antique Auction Barn  
8240 Wooster Pike Rd.  
Seville, OH  
1000 Saturday, 2/22/97 (Preview at 0830)

1 mile north of I-76/224 exchange, exit #2  
6 miles south of Medina, OH on S.R. #3

list contains mostly vintage, novelty and transistor radios, but also  
has tubes, parts, military, ham, books, etc.

(no affiliation, just passing on the info)

73,

Mike, W5MAZ (in MN)  
m\_warren@compuserve.com

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: Karan Lee Carruth <klccarru@tenet.edu>  
Subject: Want Manual  
Message-ID: <Pine.OSF.3.91.970220185518.28826A-100000@beall.tenet.edu>

Need schematic or manual (yes, Virginia, there is a Santa Claus) for a

R-100/URR Radio Receiver.

Best regards,

Lenox

---

Lenox Carruth, WA50VG  
Dallas, Texas  
klccarru@tenet.edu

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From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: Allen Tucholski <allent@en.com>  
Subject: Wanted Eico Model 667 Tube Tester  
Message-ID: <1.5.4.16.19970219223717.372fe736@en.com>

I am looking for the Eico 667 Tube tester in good working condition.  
If you guys have one for sale please let me know.

Allen  
NASA Lewis Research Center  
Cleveland, Ohio

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: Laird\_Tom\_N@hpmail1.90.deere.com  
Subject: Wanted: HP412A manual  
Message-ID: <H00005a004af3162@MHS>

Hello gang.....I bought a HP 412A VTVM. The guy said it worked, well it doesn't, so I need a manual, schematic and parts list. Copy will do fine. Anyone got one?

The thing powers up OK and on the OHMS scale the meter swings full to the right, but never comes back, even when I touch the leads. Anyone know what the little motor and light bulbs do in this thing?

Tom Laird WC9M Moline, IL  
TL39597@deere.com

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: Russell\_Schroeder@xn.xerox.com (Schroeder,Russell G)  
Subject: Wanted: TCS-12 Relay  
Message-ID: <"<E54B0C338190677C>E54B0C338190677C@X-WB-0207-MS2.XN"@-SMF->

Hollowstaters,

Discovered the cause of "no audio" on my TCS-12 transmitter this weekend.  
The K-101, modulator power relay, gave up the ghost. Anyone have a parts  
unit with a relay still in it? TIA.

73 Russ W2DYY

Russell\_Schroeder@xn.xerox.com

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: Robert Fowle <hammarlund@jacksonmi.com>  
Subject: Water well dies & kills pump...FS items  
Message-ID: <330CA398.6979@jacksonmi.com>

water well died & killed the water pump to boot...  
need to sell some stuff to help with the costs..  
all prices are shipped in Cont. US  
1. 80 assorted relays...\$47  
2. 2 rollers from 180S1's ...\$30 ea  
3. 2 EFJ air variables from 180S1's...\$20 ea  
4. will deal on anything i have posted on my web pages..  
just email me and lets talk...  
i need to raise some cash ASAP..  
will also make deals on manuals i already have made up...  
email with what you need i'll take a look see....  
thank you  
Robert

--

\*\*\*\* Visit my Web Page.....\*\*\*\*

=====]-[->

Robert Fowle KC8DBC  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721  
E-mail: hammarlund@jacksonmi.com  
Web Page: <http://www.jacksonmi.com/hammarlund>

NOW... BOATANCHORS Conference!  
talk, buy-sell-trade all in one place!  
Moderator: Robert Fowle  
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: k1zat@dsport.com  
Subject: WTB - TV502/506  
Message-ID: <Pine.GS0.3.95.970220231849.5087B-100000@puff>

WTB - The transverters that go with the TS-520S.

From boatanchors@theporch.com Thu Feb 20 23:00:11 1997  
From: pmills@A.crl.com (Phil Mills)  
Subject: WTB RG-62 cable  
Message-ID: <199702210038.AA14390@A.crl.com>

I need about 2 feet of RG-62....can someone help me with this....I don't want to have to buy a 100' from Newark to make a short cable for my Drake rig

thanks & 73,  
Phil

\*\*\*

Phil Mills, AB5TH                      \*\*\*\*\* WTB S-meter for 75A4                      \*\*\*\*\*  
pmills@a.crl.com  
281-992-5762    days  
Friendswood, TX                      (south of Houston)

From boatanchors@theporch.com Thu Feb 20 07:18:45 1997  
From: eb5agv@ctv.es  
Subject: WTB: SK-600 and SK-800 sockets  
Message-ID: <1.5.4.16.19970220071006.217721b0@192.168.0.1>

Wanted for homebrew amplifier. Please, e-mail me if you have some to sell.

Thanks!

JOSE

-----

73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
46910 Benetusser - Valencia (IM99TK)  
SPAIN

\*\*\* PLEASE, VISIT MY HOME PAGE AT : \*\*\*  
http : [//www.geocities.com/SiliconValley/6992](http://www.geocities.com/SiliconValley/6992)  
e-mail: [eb5agv@ctv.es](mailto:eb5agv@ctv.es) & [eb5agv@amsat.org](mailto:eb5agv@amsat.org)

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